

PUBLIC NOTICE

PERMIT APPLICATION: NRS 04.287

APPLICANT: Stoneybrook Golf Course
119 Stoneybrook Road
Columbia, Tenn. 38401
931-388-5143

LOCATION: Little Bigby Creek at Stoneybrook Golf Course, Campbellsville Pike (SR 245) Columbia, Maury County 35.5690 °N, -87.0799 °W and 35.5704 °N, -87.0748 °W

WATERSHED DESCRIPTION: Little Bigby is located in the Lower Duck watershed (HUC 06040003) and is fully supporting its designated water quality uses (domestic water supply, industrial water supply, recreation, fish and aquatic life, livestock watering and wildlife, and irrigation). The surrounding land use is primarily residential and agricultural, including the golf course. The calculated September median flow for Little Bigby at the Stoneybrook Golf Course is 3.0 cfs (cubic feet per second), based on USGS data from 1987 to 2004.

(Photos of the stream are included on the Internet version of this notice at <http://www.state.tn.us/environment/wpc/wpcppo/arap>)

PROJECT DESCRIPTION: The intake and water withdrawal system is an existing operation at the Stoneybrook Golf Course and is used for irrigation. There are two pumps located on site and they can collectively withdraw at an instantaneous rate of 0.5 cfs. The applicant proposes to continue withdrawing at their current instantaneous rate up to a maximum of four hours a day, but to stop withdrawing from the creek if the flow drops to 3.5 cfs. Due to the lack of an active gauge on Little Bigby and the difficulty of creating an on-site accurate flow gauge, the applicant proposes to use the real-time gauge data for Carter's Creek in Maury County. According to the USGS, the streams have similar watersheds and a valid flow correlation.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the proposed activity will not result in degradation to water quality.

PERMIT COORDINATOR: Juliana W. Kyzar

USGS TOPOGRAPHIC QUADRANGLE: Columbia 57-SE



Figure 1: Photograph showing one of the pump locations and equipment.

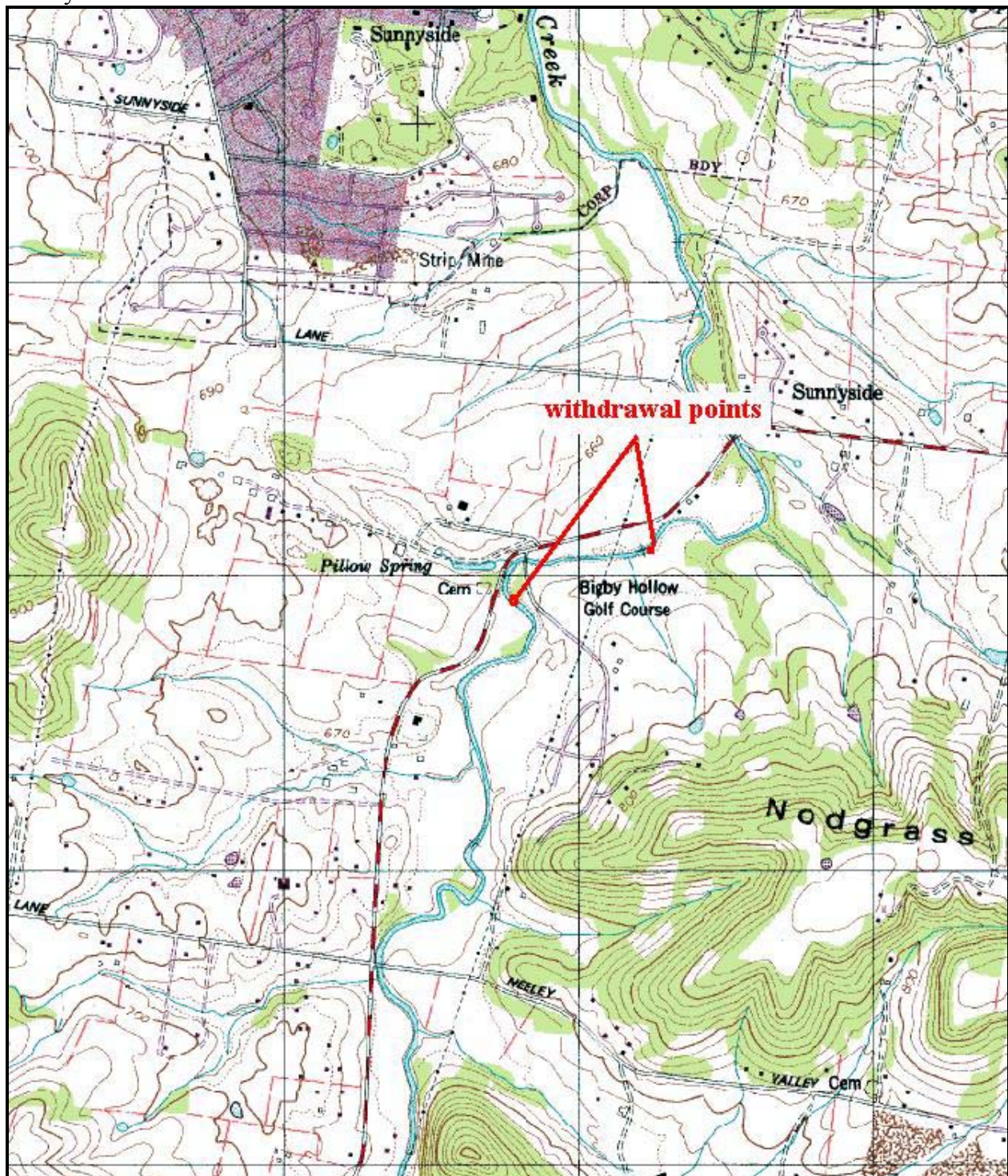


Figure 1: USGS 7.5-minute topographic map with withdrawal points indicated.